



**United States Environmental Protection Agency
Region 9 Laboratory**

**1337 S. 46th Street Building 201
Richmond, CA 94804**

Date: 2/3/2012

Subject: Analytical Testing Results - Project R33911
SDG: 12030A

From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2

To: Richard Fetzer
US EPA Region 3, Eastern Response Branch
3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Extractable Petroleum Hydrocarbons by
GC/FID



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzer

Project Number: R33911

Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch

100 Gypsum Road

Stroudsburg PA, 18360

SDG: 12030A

Reported: 02/03/12 15:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
FB04	1201034-01	Water	01/26/12 09:13	01/30/12 09:23
HW05	1201034-02	Water	01/26/12 11:35	01/30/12 09:23
HW06	1201034-03	Water	01/26/12 15:30	01/30/12 09:23
HW12	1201034-04	Water	01/26/12 13:23	01/30/12 09:23
HW14-P	1201034-05	Water	01/26/12 19:15	01/30/12 09:23
HW14	1201034-06	Water	01/26/12 17:13	01/30/12 09:23
FB05	1201034-09	Water	01/27/12 09:40	01/30/12 09:23
HW01	1201034-10	Water	01/25/12 16:31	01/30/12 09:23
HW24-P	1201034-11	Water	01/27/12 13:18	01/30/12 09:23
HW17	1201034-15	Water	01/27/12 11:40	01/30/12 09:23
HW24	1201034-16	Water	01/27/12 12:09	01/30/12 09:23

SDG ID 12030A

TPH DRO: Small background contamination was found in the blank. Contamination is < ½ times the quantitation limit. No affect on sample results is anticipated. MS/MSD were not extracted with this sample set due to insufficient amount of samples.

Work Order(s)

1201034



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1201034-01						Water - Sampled: 01/26/12 09:13			
Sample ID: FB04						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2A0071	01/30/12	01/31/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		94 %		60-127%		"	"	"	
Lab ID: 1201034-02						Water - Sampled: 01/26/12 11:35			
Sample ID: HW05						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2A0071	01/30/12	01/31/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		94 %		60-127%		"	"	"	
Lab ID: 1201034-03						Water - Sampled: 01/26/12 15:30			
Sample ID: HW06						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2A0071	01/30/12	01/31/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		86 %		60-127%		"	"	"	
Lab ID: 1201034-04						Water - Sampled: 01/26/12 13:23			
Sample ID: HW12						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2A0071	01/30/12	01/31/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		97 %		60-127%		"	"	"	
Lab ID: 1201034-05						Water - Sampled: 01/26/12 19:15			
Sample ID: HW14-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2A0071	01/30/12	01/31/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		98 %		60-127%		"	"	"	
Lab ID: 1201034-06						Water - Sampled: 01/26/12 17:13			
Sample ID: HW14						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2A0071	01/30/12	01/31/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		93 %		60-127%		"	"	"	
Lab ID: 1201034-09						Water - Sampled: 01/27/12 09:40			
Sample ID: FB05						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2A0071	01/30/12	01/31/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		95 %		60-127%		"	"	"	
Lab ID: 1201034-10						Water - Sampled: 01/25/12 16:31			



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
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Lab ID: 1201034-10

Water - Sampled: 01/25/12 16:31

Sample ID: HW01

Extractable Petroleum Hydrocarbons by EPA Method 8015B

TPH - Diesel Range Organics ND U 250 ug/L B2A0071 01/30/12 01/31/12 8015C/SOP385

TPH - Oil Range Organics ND U 1,000 " " " " 8015C/SOP385

Surrogate: Hexacosane 94 % 60-127% " " "

Lab ID: 1201034-11

Water - Sampled: 01/27/12 13:18

Sample ID: HW24-P

Extractable Petroleum Hydrocarbons by EPA Method 8015B

TPH - Diesel Range Organics ND U 240 ug/L B2A0071 01/30/12 01/31/12 8015C/SOP385

TPH - Oil Range Organics ND U 950 " " " " 8015C/SOP385

Surrogate: Hexacosane 87 % 60-127% " " "

Lab ID: 1201034-15

Water - Sampled: 01/27/12 11:40

Sample ID: HW17

Extractable Petroleum Hydrocarbons by EPA Method 8015B

TPH - Diesel Range Organics ND U 250 ug/L B2A0071 01/30/12 01/31/12 8015C/SOP385

TPH - Oil Range Organics ND U 1,000 " " " " 8015C/SOP385

Surrogate: Hexacosane 88 % 60-127% " " "

Lab ID: 1201034-16

Water - Sampled: 01/27/12 12:09

Sample ID: HW24

Extractable Petroleum Hydrocarbons by EPA Method 8015B

TPH - Diesel Range Organics ND U 250 ug/L B2A0071 01/30/12 01/31/12 8015C/SOP385

TPH - Oil Range Organics ND U 1,000 " " " " 8015C/SOP385

Surrogate: Hexacosane 90 % 60-127% " " "

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch B2A0071 - 3520C CLLE - TPH - Extractable

Prepared: 01/30/12 Analyzed: 01/31/12

Extractable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control

Blank (B2A0071-BLK1)

TPH - Diesel Range Organics ND U 250 ug/L

TPH - Oil Range Organics ND U 1,000 "

Surrogate: Hexacosane 145 " 150 96 60-127

LCS (B2A0071-BS1)

TPH - Diesel Range Organics 1,220 250 ug/L 1500 82 54-115

Surrogate: Hexacosane 130 " 150 87 60-127



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Qualifiers and Comments

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.